

REMARKS

Applicants elect the following species with traverse on the grounds that there is no undue burden to search of all the subject matter of the claims.

Subgroup 1: Species of TBM

Applicants elect CD4, which is a receptor and read on by claims 1-13 and 16-24.

Subgroup 2: Species of small organic molecule.

Applicants elect a 252 member library of disulfide compounds. As a representative example of a core structure, applicants elect CTBF-S-S-R⁸ wherein R⁸ is a straight chain alkyl of 1 to 10 carbon atoms substituted with amino and the CTBF-S-S-R⁸ has less than 500 Daltons. Claims 1-23 read on Subgroup 2.

Subgroup 3: Species of CTBF

Applicants elect the first chromone (6-bromo chromone) of Figure 2. Applicants note that Figure 2 displays CTBFs (chromones, phenols, furans, etc.) with the linking group (LG) aldehyde. Applicants are electing the first CTBF of Figure 2, without the aldehyde linking group. Claims 1-24 read on Subgroup 3.

Subgroup 4: Species of method of detection for binding

Applicants elect detecting binding using a quantitative spectroscopic property (claim 3), which is read on by claims 1-3 and 6-24.

Subgroup 5: Species of LG

Applicants elect a disulfide linking group of the structure -S-S-. Claims 1-24 read on Subgroup 3.

In total, claims 1-3, 6-13, and 16-23 read on all of the elected subgroups.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

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Date

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